

The Midpoint Formula

$$M\left(\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}\right)$$

Find the coordinates of the midpoint of the segment with the given endpoints

7. E(6,3) and F(8,5)	8. G(4,9) and H(8,3)
9. A(-5,7) and B(11,-3)	10. C(-8,-4) and D(4,-6)

Given the midpoint M of AB, find the coordinates of B

11. M(6,4) and A(9,4)	12. M(6,-5) and A(7,-2)
13. M(-2,5) and A(-8,2)	14. M(-2,-8) and A(-6,-7)